

11. (Amended) A coagulating sedimentation apparatus according to claim 10, wherein said plurality of annular troughs are positioned and dimensioned such that weir parts of all said plurality of annular troughs into which a clarified liquid spills out have a substantially identical overflow liquid load.

12. (Amended) A coagulating sedimentation apparatus according to claim 10, wherein said plurality of annular troughs comprise an annular trough with a larger diameter disposed along a side wall of said tank, and an annular trough with a smaller diameter disposed in an intermediate portion between said side wall of said tank and said chamber.

13. (Amended) A coagulating sedimentation apparatus according to claim 12, wherein said plurality of annular troughs are positioned and dimensioned so as to satisfy the following expression:

$$\frac{\pi\{D_1^2 - [(D_2 + D_3)/2]^2\}}{\pi D_2} = \frac{\pi\{[(D_2 + D_3)/2]^2 - [(D_3 + D_4)/2]^2\}}{\pi D_3}$$

$$= \frac{\pi\{[(D_3 + D_4)/2]^2 - R_1^2\}}{\pi D_3}$$

wherein  $D_1$  is the inside diameter of the side wall of the tank,  $D_2$  is the inside diameter of the inner weir part of the annular trough with a larger diameter,  $D_3$  is the outside diameter of the outer weir part of the annular trough with a smaller diameter, and  $D_4$  is the inside diameter of the inner weir part of the annular trough with a smaller diameter, and  $R_1$  is the outside diameter of said chamber.

14. (Amended) A coagulating sedimentation apparatus according to claim 10, wherein said chamber is adapted to be fed with an additive, and to mix said liquid and said additive for coagulating the suspended solids or the like in said liquid.